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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/742,881	12/20/2000	Janet Doong	2204/A43	8240
34845	7590	12/28/2005	EXAMINER	
STEUBING MCGUINNESS & MANARAS LLP 125 NAGOG PARK ACTON, MA 01720			NGUYEN, STEVEN H D	
			ART UNIT	PAPER NUMBER
			2665	

DATE MAILED: 12/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/742,881

Applicant(s)

DOONG ET AL.

Examiner

Steven HD Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-43 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

Specification

Page 1, line 9, "XX/XXX,XX" should be replaced with an application serial number.

Page 7, line 20, "_____" should be replaced with an application serial number.

Claims

As claim 7, line 2, "the unicast" should be changed to -- a unicast --.

As claim 14, line 2, "the unicast" should be changed to -- a unicast --.

As claim 34, line 2, "the unicast" should be changed to -- a unicast --.

As claim 41, line 7, "the state" should be changed to -- a state --.

As claim 41, line 12, "the size" should be changed to -- a size --.

As claim 41, line 14, "the estimated" should be changed to -- an estimated --.

As claim 41, line 16, "the maximum" should be changed to -- a maximum --.

As claim 41, line 18, "the state" should be changed to -- a state --.

As claim 41, line 20, "the state" should be changed to -- a total --.

As claim 43, line 19, "the cost" should be changed to -- a cost --.

Prosecution on the merits is closed in accordance with the practice under *Ex parte*

Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

2. Claims 1-43 allowed.

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3. The following is a statement of reasons for the indication of allowable subject matter:

As claims 1, 8, 15, 22 and 35, The prior arts in the record fail to disclose a method and system for storing the routes in a single multicast table and updating the multicast routing table based on changes made by the plurality of multicast routing protocols to the routes stored in each routing table for the plurality of routing protocols within a structure of the claim..

As claims 23, 27 and 31, The prior arts in the record fail to disclose a method and system for selecting a set of unicast routes from the unicast routing table; storing the set of unicast routes in a memory buffer; and transferring the set of unicast routes from the memory buffer to the multicast routing table.

As claim 38, The prior arts in the record fail to disclose a method and system comprising at least one management object for defining a multicast routing table manager including a multicast routing table for storing routes for the plurality of multicast routing protocols; and at least one management object for defining a set of rules for the injection of routes into the multicast routing table.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Green (USP 5517494) discloses a method for updating the route table by exchanging the distance vector packet when the network topology changes.

Elliot (USP 6775709) discloses a method and system for updating a routing table based updating message.

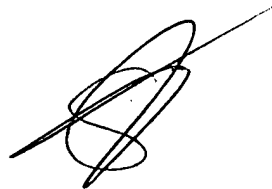
Kodialam (USP 6778531) discloses a method and system for generating a multicasting table based on a multicasting tree.

Francis (USP 5331637) discloses a method and system for generating a multicasting table using core based trees.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven HD Nguyen whose telephone number is (571) 272-3159. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy D. Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Steven HD Nguyen
Primary Examiner
Art Unit 2665
December 24, 2005